

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference GB2 2003055 PCT	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/FR2004/001673	International filing date (day/month/year) 30.06.2004	Priority date (day/month/year) 01.07.2003
International Patent Classification (IPC) or national classification and IPC C23C16/40		
Applicant SAINT-GOBAIN GLASS FRANCE		

1.	This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2.	This REPORT consists of a total of _____ sheets, including this cover sheet.
3.	This report is also accompanied by ANNEXES, comprising: <ul style="list-style-type: none"> a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows: <ul style="list-style-type: none"> <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4.	This report contains indications relating to the following items: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input checked="" type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This report is based on translations from the original language into the following language _____ which is the language of a translation furnished for the purposes of:
 - ☐ international search (Rule 12.3 and 23.1(b))
 - ☐ publication of the international application (Rule 12.4)
 - ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):
 - ☐ the international application as originally filed/furnished
 - ☒ the description:
 - pages 1-17 _____ as originally filed/furnished
 - pages* _____ received by this Authority on _____
 - pages* _____ received by this Authority on _____
 - ☒ the claims:
 - nos. 1-28 _____ as originally filed/furnished
 - nos.* _____ as amended (together with any statement) under Article 19
 - nos.* _____ received by this Authority on _____
 - nos.* _____ received by this Authority on _____
 - ☐ the drawings:
 - sheets _____ as originally filed/furnished
 - sheets* _____ received by this Authority on _____
 - sheets* _____ received by this Authority on _____
 - ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
 - ☐ the description, pages _____
 - ☐ the claims, nos. _____
 - ☐ the drawings, sheets/figs _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
 - ☐ the description, pages _____
 - ☐ the claims, nos. _____
 - ☐ the drawings, sheets/figs _____
 - ☐ the sequence listing (*specify*): _____
 - ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

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Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>7, 8, 10, 14, 17-20, 27</u>	YES
	Claims	<u>1-6, 9, 11-13, 16, 21-26, 28</u>	NO
Inventive step (IS)	Claims	<u></u>	YES
	Claims	<u>1-28</u>	NO
Industrial applicability (IA)	Claims	<u>1-28</u>	YES
	Claims	<u></u>	NO
2. Citations and explanations (Rule 70.7)			
1. Reference is made to the following documents in the present notification:			
D1: PATENT ABSTRACTS OF JAPAN vol. 2000, no. 19, 5 June 2001 (2001-06-05) & JP 2001 046884 A (NAGASAKI PREFECTURE), 20 February 2001 (2001-02-20)			
D2: PATENT ABSTRACTS OF JAPAN vol. 2002, no. 08, 5 August 2002 (2002-08-05) & JP 2002 119864 A (MATSUSHITA ELECTRIC IND CO LTD), 23 April 2002 (2002-04-23)			
D3: DATABASE COMPENDEX [Online] ENGINEERING INFORMATION, INC., NEW YORK, NY, US; 2 June 2003 (2003-06-02), JHIN J ET AL: "Effect of Plasma Pretreatment of Soda-Lime Glass on the Preferred Orientation of TiO ₂ Prepared by PECVD" XP002290214 Database accession no. E2003427685053			
D4: PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02, 28 February 1997 (1997-02-28) & JP 8 253322 A (RES DEV CORP OF JAPAN), 1 October 1996 (1996-10-01)			
D5: FR-A-2 738 813 (SAINT GOBAIN VITRAGE) 21 March			

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1997 (1997-03-21)

2. INDEPENDENT CLAIM 1

2.1 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 1 does not meet the requirement of novelty defined in PCT Article 33(2). Document D1 describes (see the abstract) a method for depositing a photocatalytic titanium oxide coating on a substrate by means of plasma-enhanced chemical vapour deposition.

2.2 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 1 does not meet the requirement of novelty defined in PCT Article 33(2). Document D2 describes (see the abstract) a method for depositing a photocatalytic titanium oxide coating on a substrate by means of plasma-enhanced chemical vapour deposition.

2.3 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 1 does not meet the requirement of novelty defined in PCT Article 33(2). Document D3 describes (see the abstract) a method for depositing a photocatalytic titanium oxide coating on a substrate by means of plasma-enhanced chemical vapour deposition.

2.4 The present application fails to comply with the

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	<p>requirements of PCT Article 33(1) since the subject matter of claim 1 does not meet the requirement of novelty defined in PCT Article 33(2). Document D4 describes (see the abstract) a method for depositing a photocatalytic titanium oxide coating on a substrate by means of plasma-enhanced chemical vapour deposition.</p> <p>3. INDEPENDENT CLAIM 11</p> <p>3.1 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 11 does not meet the requirement of novelty defined in PCT Article 33(2). Document D1 describes (see the abstract, figure 2 and paragraphs 17-19) a glass substrate provided with a crystallised photocatalytic titanium oxide coating in the form of anatase or rutile. The English machine translation of the Japanese document has been consulted; see: http://www4.ipdl.ncipi.go.jp/Tokujitu/PAJdetail.ipdl?N0000=60&N0120=01&N2001=2&N3001=2001-046884.</p> <p>3.2 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 11 does not meet the requirement of novelty defined in PCT Article 33(2). Document D2 describes (see the abstract and paragraphs 9-11) a glass substrate provided with a crystallised photocatalytic titanium oxide coating in the form of anatase. The English machine translation of the Japanese document has been</p>

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	<p>consulted; see: http://www4.ipdl.ncipi.go.jp/Tokujitu/PAJdetail.ipdl?N0000=60&N0120=01&N2001=2&N3001=2002-119864</p> <p>3.3 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 11 does not meet the requirement of novelty defined in PCT Article 33(2). Document D3 describes (see the abstract) a glass substrate provided with a crystallised photocatalytic titanium oxide coating.</p> <p>3.4 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 11 does not meet the requirement of novelty defined in PCT Article 33(2). Document D5 describes (see claims 1 and 2) a glass substrate provided with a crystallised photocatalytic titanium oxide coating in the form of a mixture of anatase and rutile.</p> <p>4. INDEPENDENT CLAIM 28</p> <p>4.1 The present application fails to comply with the requirements of PCT Article 33(1) since the subject matter of claim 11 does not meet the requirement of novelty defined in PCT Article 33(2). Document D5 describes (see claims 1, 2 and 18) a glass panel incorporating a glass substrate provided with a crystallised photocatalytic titanium oxide coating in the form of a mixture of anatase and rutile.</p>

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5. DEPENDENT CLAIMS 2 TO 10 AND 12 TO 27

5.1 These claims do not contain any features which, when combined with the features of any one of the claims to which they refer, comply with the requirements of novelty and inventive step of the PCT (PCT Article 33(2) and (3)).

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Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO2004/0611155	22.07.2004	04.12.2003	20.12.2002

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)
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